

Patent Claims

1. Use of at least one overexpresssion inhibitor of DNA repair genes and/or oncongenes for producing a drug to increase the apoptotic effect of cytostatics after chemotherapy.
2. Use according to claim 1,

characterised in that the repair genes are UBE2N and/or APEX.
3. Use according to one of the claims 1 or 2,

characterised in that the oncogenes are DDX1, STAT3 and/or JUN-D.
4. Use according to one of the claims 1 to 3,

characterised in that 5-substituted nucleosides, the protected forms, salts or prodrugs thereof are used as overexpression inhibitors.
5. Use according to at least one of the claims 1 to 4,

characterised in that at least one cytostatic in conjunction at least with overexpression inhibitor of DNA repair genes and oncogenes is used during chemotherapy.
6. Use according to claim 5,

characterised in that a 5-substituted nucleoside is used as overexpression inhibitor.
7. Use according to one of the claims 5 or 6,

characterised in that, during chemotherapy, doses of the cytostatic increasing over a defined period in combination with a constant dose of the overexpression inhibitor are used and, subsequent to the chemotherapy, i.e. in a recovery phase, the overexpression inhibitor alone is used.

8. Use according to claim 7,

characterised in that the duration of the recovery phase is from 3 to 10 days.

9. Use according to one of the claims 5 to 8,

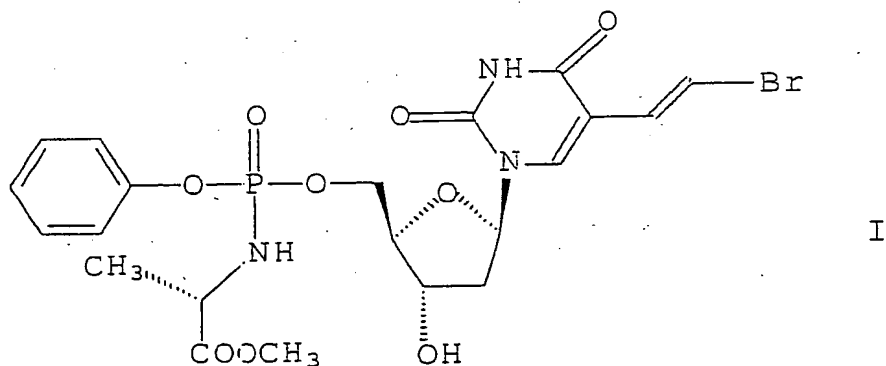
characterised in that the duration of the chemotherapy cycle is from 8 to 30 days.

10. Use according to at least one of the claims 1 to 9,

characterised in that (E)-5-(2-bromovinyl)-2'-deoxyuridine (BVDU), the protected forms, salts and/or prodrugs thereof are used as 5-substituted nucleoside.

11. Use according to claim 10,

characterised in that a compound of the general formula I



is used as prodrug.

12. Use according to at least one of the claims 1 to 11,

characterised in that the at least one 5-substituted nucleoside is used in a dosage which makes possible a blood concentration between 0.02 and 50 $\mu\text{g/ml}$.